

# FOLIO

UNIVERSITY  
OF ALBERTA

EDMONTON

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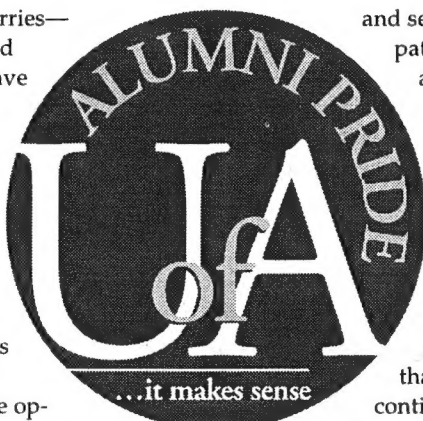
<http://www.ualberta.ca/~publicas/folio.htm>

## Hundreds of alumni reliving their University days

By Folio staff

Weekend forecast: flurries—of Reunion Weekend activities. All graduates have been invited to return to campus; graduating classes from 1936, 1946, 1956, 1971, 1981, 1986 and 1991 are celebrating their special anniversaries this year. In addition, the Department of Chemistry is celebrating its own 50th anniversary.

"I thoroughly enjoy the opportunity I have at Reunion Weekend to meet and visit with alumni, says Alumni Affairs Director Susan Peirce. "I am always so intrigued and proud to hear



and see the diversity of paths taken after graduation and the tremendous contribution our alumni have made to the fabric of society—not only in Alberta but around the world.

"Our history is a rich and global one that is being added to continuously. I am always proud to be an alumna of the University of Alberta but at Reunion Weekend the feeling is magnified."

• 18,000 U of A Alumni Pride Stickers

were distributed to U of A grads through local businesses, schools, campus mail and the Edmonton Public Libraries.

• 1,000 U of A alumni are expected to participate in the events of Reunion Weekend '96, including: receptions, open houses, Super Saturday lectures, and the Gala Dinner and Dance.

• Alumni are travelling from points as far away as New Zealand, Nova Scotia, Ontario, New Jersey, California, and other destinations in western Canada.

• 160,000 students have graduated from the U of A since it was founded in 1906.

• a total of 100,000 alumni live in and enrich Alberta communities. ■

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Centre for Subatomic Research prepares to fire up a colossus

### NEW SERIES DEBUTS

*Folio*, in cooperation with the Non-Academic Staff Association, is publishing a series of 10 stories on support staff. The series, written by Kim Sawada, a 1996 graduate in Arts, is called *Making it Happen*. The first story, on glassblower Murray Connors, is on page 12.

## Super Saturday: where talk is plentiful *and* pithy

By Folio staff

Tomorrow is Super Saturday on campus.

At this, the eighth annual addition of the event, 24 professors will present informal 50-minute talks on subjects that spring from their teaching and research and, in a number of instances, from today's headlines. A sampling: Lloyd Steier, Professor of Business, "Entrepreneurship: New Venture Creation"; Steve Hrudey, Professor of

Environmental Health, "Environmental Health - What Should Albertans be Concerned About"; Susan McDaniel, Professor of Sociology, "Will things be Better for Our Children?"; Mike Dawson, Professor of Psychology, "Why is the Brain Smarter Than a Computer?"; Tim Caulfield, Professor of Law, "The New Genetics: Legal and Ethical Issues"; and Linda McCargar, Professor of Agricultural, Food and Nutri-

tional Science, "Dieting for Weight Loss: The Myths and Realities".

A question-and-answer period follows each presentation.

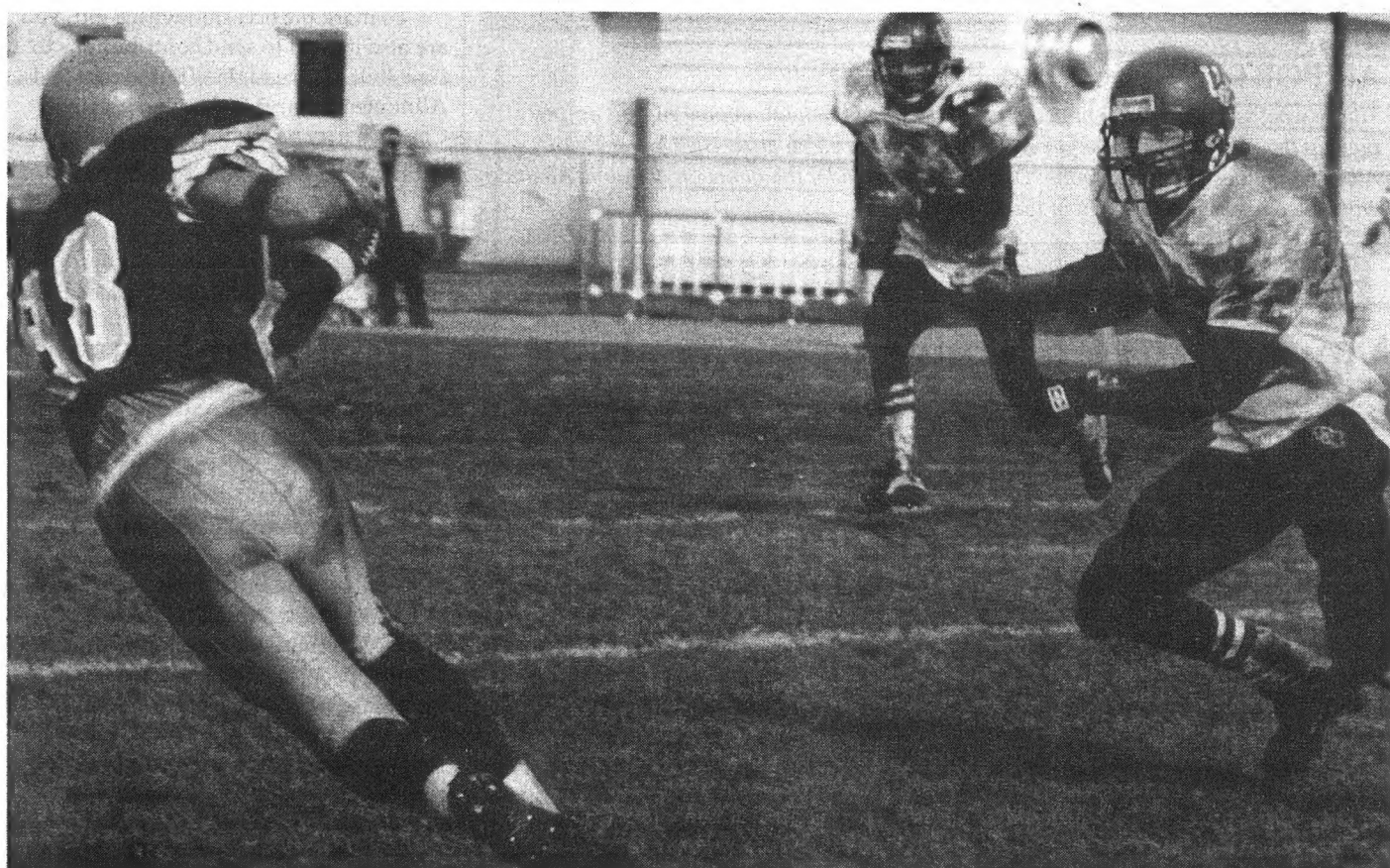
Super Saturday starts at 9:30 and ends at 4. All talks will be given in the Business Building and the Humanities Centre. Admission is free.

Programs will be available Saturday morning at the Information Desk in the

Business Building Atrium. The back page of the program lists the various Open Houses and/or displays being held in conjunction with Super Saturday.

Free admission. Free parking in Zones N, U, E, and Windsor Carpark.

Information: Public Affairs, 492-2325. Web page: <http://www.ualberta.ca/~publicas/super.htm>. ■



Jennifer Park

### DESTINATION END ZONE

The Bears didn't always have this much running room against the University of Saskatchewan Huskies last Saturday, but they advanced the ball enough to top the Huskies 16-10 and move into a first-place tie (3 wins, 1 loss) with the flatlands club.

## UNIVERSITY OF ALBERTA CAMPAIGN



...it makes sense.



# Finance and Administration reorganizes

Four groups now report to VP Harris

By Ron Thomas

The staff directory in University Hall shows some new names, due largely to the reorganization of the Finance and Administration portfolio.

Four groups have been struck, each of which is guided by an Associate Vice-President who reports directly to Vice-President Glenn Harris.

## Learning Support Systems

Learning Support Systems, which was announced late last year, is up and running under the leadership of Ernie Ingles. Computing and Network Services (CNS), the Technical Resource Group, the Bookstore and University Information Enterprises are part and parcel of Ingles' portfolio. He also reports to the Vice-President (Academic) on the work of the Libraries,

Museums and Collections Services, Archives and the University Press.

Mike Byrne, newly appointed Director of CNS, begins work 1 November. He was manager of Information Technology Planning and Consulting, Nova Corporation of Alberta, for a dozen years and, most recently, was chief information officer for Monenco Agra Inc.

Meanwhile, the search for a successor to retiring Bookstore Manager Jim Malone is under way.

## Human Resources

Human Resources consists of the Human Resource Group, the Office of Human Rights, Organizational Development, Campus Security Services, and Environmental Health and Safety. In mid-October, Wanda Wetterberg will assume the duties of Associate Vice-President (Human Resources). A U of A graduate (Recreation Administration), Wetterberg returns to campus from city hall where she was in Parks and Recreation and, since 1992, Personnel, where she was general manager.

## Operations and Physical Resources

This group consists of Physical Plant, Planning and Development, Housing and

Food Services, and Real Estate. It's led by Jamie Fleming, formerly Director of Investments and Real Estate.

## Finance

The Office of the Comptroller, Materials Management, Budget and Statistics, and Investments make up this group. With the resignation of Louis Jamernik, Lanny Howell has been appointed Acting Comptroller. The search for an Associate VP (Finance) continues.

The Internal Audit function continues to report jointly to Vice-President Harris and the Board of Governors Audit Committee.

Another appointment is that of Francois Bouman, formerly a Residence Life Coordinator, as Executive Assistant to Harris. Bouman took his undergraduate degree in political science at the U of A in 1992, and then earned a master's degree in business at the University of Western Ontario.

"I took change management at Western and then went through it in the real world because of the [Housing and Food Services] review of services that students want in HUB/Garneau," he says. ■

## EFF - UNIVERSITY TEACHING RESEARCH FUND - APPLICATION DEADLINE

The deadline for receipt of applications to the Endowment Fund for the Future's University Teaching Research Fund is 15 October 1996.

The primary purpose of this fund is to enhance the level and quality of teaching research and curricula development in the University.

Application forms are available from the Office of the Associate Vice-President (Academic), 3-5 University Hall (telephone 492-8162).

## FOLIO

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Public Affairs produces Folio on a regular basis for employees and volunteers at the University of Alberta.

Folio's mandate is to serve as a credible news source for internal audiences by communicating accurate and timely information about issues, programs, people and events.

### DEADLINES:

Notice of coming events: 9 am three weeks in advance of event. Display and classified advertisements: 3 pm one week prior to publication date.

### CLASSIFIED ADVERTISEMENTS:

Ads are charged at \$0.40 per word. Minimum charge: \$3.00. All advertisements must be paid for in full by cash or cheque at the time of their submission. Bookings may be made by fax or mail provided payment is received by mail prior to the deadline date. Pre-paid accounts can be set up for frequent advertisers. Please call 492-2325 for more information.

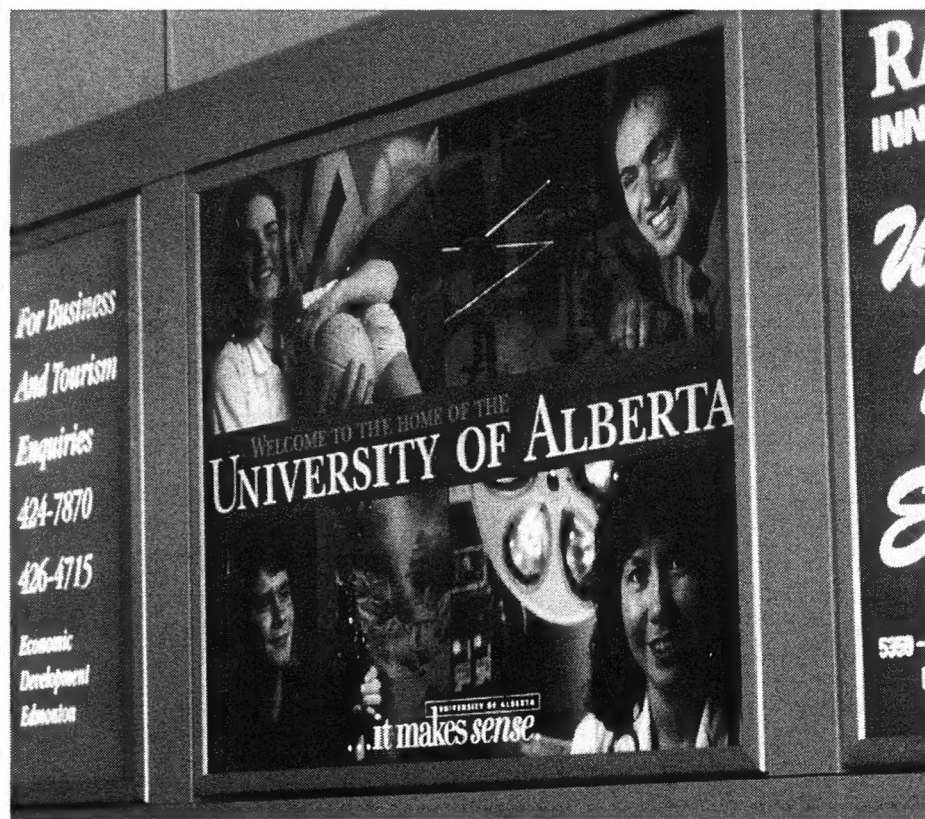
Display advertisements: Camera-ready artwork is required to size, complete with halftones if necessary. Call 465-3307 or 492-0444 for sizes, rates and other particulars.

The editor reserves the right to limit, select, edit and position submitted copy and advertisements. Views expressed in Folio do not necessarily reflect University policy. Folio contents may be printed with acknowledgment.

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University  
of  
Alberta



## AIRPORT HAS A U OF A PRESENCE

This is what visitors to Edmonton are greeted with at the International Airport as they pick up their luggage at the south end of the baggage claim area. The University of Alberta sign, designed by Graphic Design Services under the direction of Public Affairs, will welcome visitors throughout the next year.

## Mpumalanga premier to speak about political realities in the new South Africa

By Terry Mackey

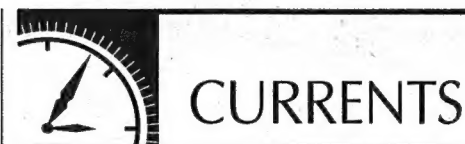
The political transition in South Africa is capturing attention worldwide. The challenges facing the post-apartheid African National Congress (ANC) Government are formidable. How will they combine economic development, political democracy, constitutional change and social stability?

A leading member of the ANC will talk about political realities in the new South Africa at a public lecture at the University of Alberta on 8 October (3:30-5 pm, 1-5 Business Building).



Mathews Phosa

Mathews Phosa is the Premier of the new province of Mpumalanga in South Africa, which is twinned with the Province of Alberta. Premier Phosa was one of the first exiled ANC members to return to South Africa, where he has been involved in the major negotiations that brought about the transition to democracy. As the head of one of the new provinces (formerly the Eastern Transvaal), he is dealing with the political realities of the new South Africa on a daily basis.



## GFC meets Monday

General Faculties Council will meet Monday, 7 October, at 2 pm in the University Hall Council Chamber. Anyone interested in obtaining a copy of the GFC agenda is asked to drop by 2-5 University Hall. Alternatively, call the University Secretariat (492-4965) and request that a copy be faxed to you.

## Former members of GFC invited to reception

President Rod Fraser will host a reception for GFC members Monday, 7 October, in the Council Chamber foyer. Recent former members of GFC are cordially invited to attend. The reception will begin after GFC completes its business meeting, at approximately 3:30 pm.

## Career Forums in Engineering and Sciences

Careers in Scientific Research, 8 October, 6 pm, B-1 Tory Lecture Theatre.

Forestry Career Forum, 9 October, 6 pm, 811 General Services Building.

Civil/Environmental Engineering, 9 October, 6 pm, 2-3 Mechanical Engineering Building.

Chemistry Career Forum, 10 October, 6 pm, 235 CAB.

Biological Sciences, 10 October, 6 pm, 3-27 Earth Sciences Building.

Electrical/Computing Engineering, 10 October, 6 pm, 2-3 Mechanical Engineering Building.

Cost: \$4 in advance, \$5 at the door. Tickets can be purchased at CaPS, 4th Floor, SUB.

## Student fees service counter open throughout noon hour

Effective immediately, the Student Fees service counter and the Cashier's wicket of the Office of the Comptroller will remain open through the noon hour to accommodate all of their usual service activities.

## Farewell reception for Don Bellow

The Faculty of Engineering and the Office of the Vice-President (Finance and Administration) invite members of the University community to a reception on 9 October at 4 o'clock at Alumni House. We will be celebrating Don Bellow's distinguished career at the University of Alberta and his recent retirement. Friends and colleagues are invited to join us in wishing Don and Jean well.

To mark the occasion with a gift, you are also invited to send contributions to June Butt, Office of the VP (Finance and Administration), 3-20 University Hall. Cheques may be made payable to the Don Bellow Gift Fund.



# High school counsellors challenge U of A to do more to sell itself

By David Holehouse

A hundred Edmonton-area high school counsellors visited the University of Alberta last week to bone up on new admissions procedures and requirements, and share opinions about the values and challenges of higher education.

The annual workshop, hosted by the Office of the Registrar and Student Awards, provided an update on matters such as scholarships and awards, Internet applications for admission and program changes and additions.

Rod Fraser, President and Vice-Chancellor, and Patricia Clements, Dean, Faculty of Arts, also spoke to the group, which also included 17 principals and superintendents.

Gerry Mowatt, a counsellor from Ross Sheppard Composite High School, told Dr Fraser: "Canadian universities have to do a better job of stating their accomplishments, like the American schools do. More students in my school are looking south of the border because they think they can get a better technological education there—even if it costs them more."



Susan Main, Assistant Registrar (School Liaison)

"We will do a better job," Dr Fraser replied. "It's as if we've been hiding our light under a bushel, but that's changing. We are expanding the range of indicators we use so that we can benchmark our-

selves better against the American universities."

In an interview later, Mowatt said that recent cuts to education have left many students with the perception that the technology and equipment available in Canadian universities is falling behind that used in American institutions.

"They have this misconception that if they go down to the United States, they will be better educated. What they don't appreciate is the quality of undergraduate programs in Canada, and they don't have any understanding of the cost of studying in the U.S. The University of Alberta will have to be proactive in countering these misconceptions."

Bill Belous, a counsellor at St Joe's Catholic High School, said the workshop was very useful because many universities and colleges are competing, often through his office, to attract students' interest. "It's becoming a real competition for students. But at the same time, many kids are focused on getting out into the workforce as fast as they can."

Maureen Yates-Millions, a counsellor at Queen Elizabeth Composite High School, said students at her school are showing an increased interest in university programs, but they need more information.

"Sometimes they are a bit scared off," she said. "They need to know what they can do with their degrees. Some are just put off by the size of the campus, which is why we have started bringing some groups here for tours."

"The University is doing a good job, it just needs to do more to sell itself, and show what it has to offer compared to other places."

Susan Main, Assistant Registrar (School Liaison), said the workshops are one tool the University uses to familiarize counsellors and students with what it has to offer. New this year is a plan to take the workshop to Red Deer and Calgary.

Information packages are being developed for distribution to counsellors in Ontario and British Columbia, and the University plans to have a presence at more career fairs and counsellor conferences in the near future. ■

## U of A staff cookbook helps United Way

By Folio staff

University of Alberta employees are rekindling community spirit and lending a hand to an important cause.

Approximately 350 employees contributed recipes for the cookbook, *Meeting of Minds and Menus*. All proceeds from the \$10 publication will be donated to the U of A's United Way Employee Campaign. Copies may be purchased by calling Gail Bamber at 492-2796.

The cookbook is another example of the University's ongoing community support. Over the past five years, staff and students have donated more than \$1.1 million to the United Way. The University also boasts the largest number of Merrill Wolfe Leadership Givers for an Edmonton organization. This title represents a donation of \$600 or more to the United Way.

The next issue of *Folio* will carry an article on the opening of this year's campaign. ■

## New name, bright future for 'Unclassified' program

By David Holehouse

This fall is the last time the University of Alberta will see about 1,000 Unclassified Students making use of learning opportunities on campus.

As of Intercession 1997, the students will lose the rather vague title and enroll in what will be called Open Studies.

Paul Pearlstone, Associate Registrar and Director of Records, said the University created the category of Unclassified Students about 10 years ago to accommodate people who wanted to take a small number of credit courses without opting for a complete degree or certificate program. They might need one course for professional advancement, or might simply have a personal interest in one particular subject area.

"We had two objectives," Pearlstone said. "One was to offer access to University credit courses to people who didn't want to take a full program, and the other was to fill up unused space in our lecture theatres."

He said the popular Unclassified category was one of the University's best-kept secrets. The name change and other



changes have been instituted to attract even more students.

"We've changed the structure and administration of the program to make it much easier for people to deal with us," he said. "How people pay has been made easier, and we've changed the maximum number of courses that can be taken per term from one to two. We also felt the word 'Unclassified' was somewhat negative, so we introduced the name 'Open

Studies' to better convey our accessibility."

The program will continue to offer about 2,000 course sections, made available by individual departments once other students taking full programs are accommodated. A course weight of 30, or 10 one-term courses, remains the maximum that any individual can take.

"If you want to go further, you should be looking at taking a complete program," Pearlstone said. "This is not going to be open to someone wanting to take full-time studies, or to build a degree through the back door."

For someone wanting to pick up an extra course or two for personal or professional reasons, however, Open Studies will help them build a tailor-made course of study. The winter session of 1996 has registered more than 1,000 Unclassified Students, and last summer's Intercession attracted about 735. Pearlstone believes that with increased advertising and community contact, the program will continue to grow.

"It's a win-win situation," he said. "The community sees it as better access to the University, and for the University it generates additional revenue and fills seats in our classes." ■

## Malaysian visitors gear up for school building boom

By Fran Ross

When the Malaysian government faced the tremendous task of building 2,000 schools by the year 2000, the Ministry of Education turned to other countries—and the University of Alberta—for ideas and project management skills.

A group of 25 professionals from the Ministries of Education and Public Works spent seven weeks on campus this summer and fall learning all they could about project planning and the design and construction of Canadian educational institutions.

As part of the project organized by the Faculty of Extension's Business Program, the group visited 20 schools in Alberta—from the Midford Middle School to NAIT. The visitors wrapped up their stay with graduation exercises at the Faculty Club on 2 October.

Group leader Yusoff Harum, deputy director of the Technical Education De-

partment, says the Malaysian school system is just beginning to introduce the use of computers. The group learned a great deal about modern finishes and designs to help prepare for that transition.

In addition, members were fascinated by the high degree of community involvement in school planning and management. "In Canada, everyone is involved—the teachers, the parents, the community, and even the students," he said. "Taxpayers request what they really need, and school management—especially with the Boards of Education—is excellent."

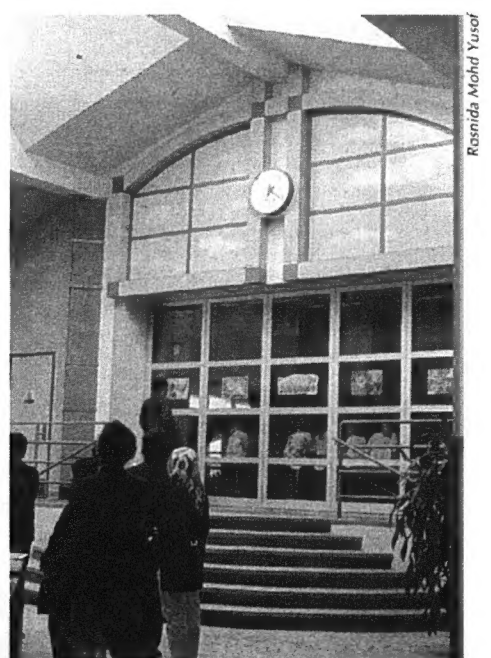
"We might not be able to incorporate all of these concepts in Malaysia right now, but it gives us something to think about as we plan."

The University of Alberta group was one of two sent to North America. ■

Fran Ross is Marketing Director for the Faculty of Extension.



The Malaysian delegation posed, toured, and above all, learned.



Rosnida Mohd Yusoff



## Thought-provoking poster posted

By Ron Thomas

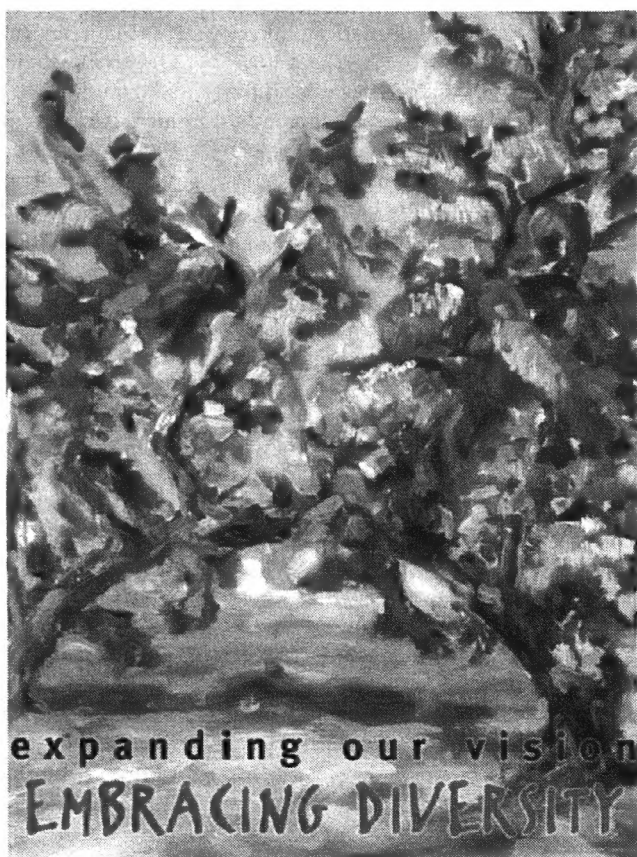
Campus is a colourful place at this time of year, and that includes the two dozen bulletin boards used by the Office of Human Rights. Each contains a 16" x 20" painting of a tree that the artist, Tessa Nunn, discovered in a park just outside Edmonton.

The limited edition poster, which is titled *Expanding Our Vision, Embracing Diversity*, is OHR's way of getting people to think about respecting and including people with disabilities.

"It is my opinion that we all have a disability of one sort or another, so when asked to create an image that represents 'people with disabilities,' I felt overwhelmed," Nunn said. "In order to depict such a large and diverse portion of the population, I turned to nature."

"Humans are captivated by the natural world; we are especially awestruck by nature that is unusual. This tree illustrates visually how our world is enriched by that which is different."

*Expanding Our Vision, Embracing Diversity* is the third poster to be created for OHR. Impetus for the practice came from *Opening Doors: A Plan for Employment Equity at the University of Alberta* (one of the document's recommendations was that OHR install bulletin boards in high



traffic areas and use the space for postings pertaining to human rights and employment equity).

"We feel that the poster series is a unique form of education and communication," says Employment Equity Coordinator Cathy Anne Pachnowski. Nunn's painting occupies half of each bulletin board, and the other half contains notices/announcements which periodically give way to new ones. ■

## Faculté Saint-Jean experiences upswing in new registrations

By David Holehouse

Dean Claudette Tardif says registration numbers for new students at Faculté Saint-Jean this fall are cause for optimism.

Numbers of new registrants had been declining since 1992-93, Dr Tardif said, due to factors ranging all the way from national politics to provincial cutbacks to local student quota issues.

But this fall's arrival of 119 new students, plus a few transfer students, indicates a modest upswing. And it's growth that she intends to nurture and boost in the future.

Registrations of new students at Faculté Saint-Jean (not counting transfers)

1994	139
1995	105
1996	119

"We needed to sharpen up our recruitment and advertising campaigns," she said. "We mounted an aggressive recruitment campaign last year as one of our external priorities. We have a full-time recruitment officer, and we had some student ambassadors visit Alberta schools to talk about our programs. We reached 55 schools with immersion programs in British Columbia, as well as a few in Saskatchewan, and we spent five weeks in Quebec."

The campaign included a new video, new brochures and pamphlets, and ads for electronic and print media. Perhaps just as important, a number of new student bursaries and awards were developed.

The effort, Dr Tardif said, has paid off. About 15 percent of the new students this fall are from Ontario and Quebec.

"What's attractive for students outside the West is the combination of French and English they can enjoy here. FSJ is unique in that it is a French faculty within an English-speaking university and an English-speaking community."

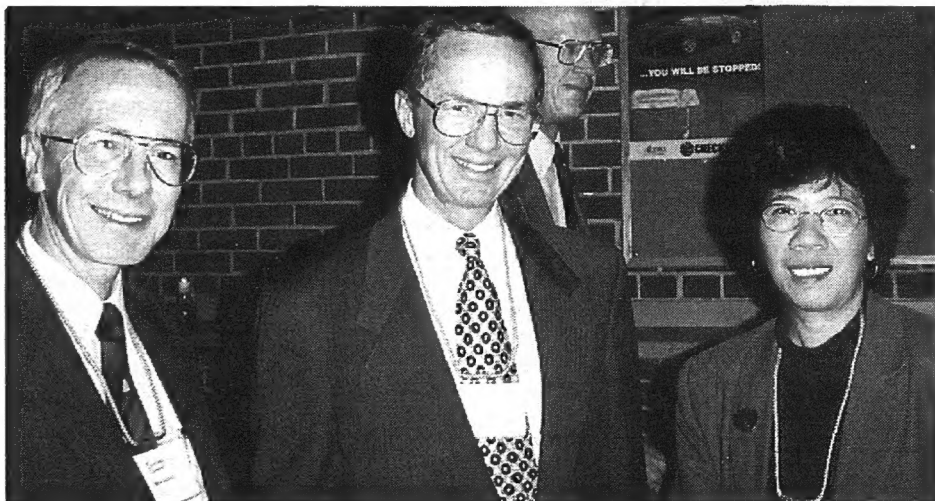
A number of FSJ students are visiting from Europe and French-speaking countries in Africa. Dr Tardif is planning a trip to France to promote exchange programs, partnerships and recruitment options with four universities, and hopes later to visit francophone Africa for the same purpose.

She has no doubts that FSJ is positioned to play an increasingly important role in educating the student of the future.

"To prepare graduates for the future, we have to prepare people who are multilingual," she said. "Bilingual grads are much more employable—it doesn't matter which languages they study, what matters is the skills that are learned during their studies." ■



Dean Claudette Tardif



### GOVERNORS' COUNCIL GREET DONORS

Enjoying themselves at a reception for Governors' Council donors are Winspear Chair Professor Mike Gibbins, left, Board of Governors Chairman John Ferguson, Arts alumna Amy Loewan and Business Professor Roger Smith (background). The reception was held at the Power Plant.

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# Developing stronger research partnerships

## U of A awarded 20 NSERC Industrial Postgraduate Scholarships

By Michael Robb

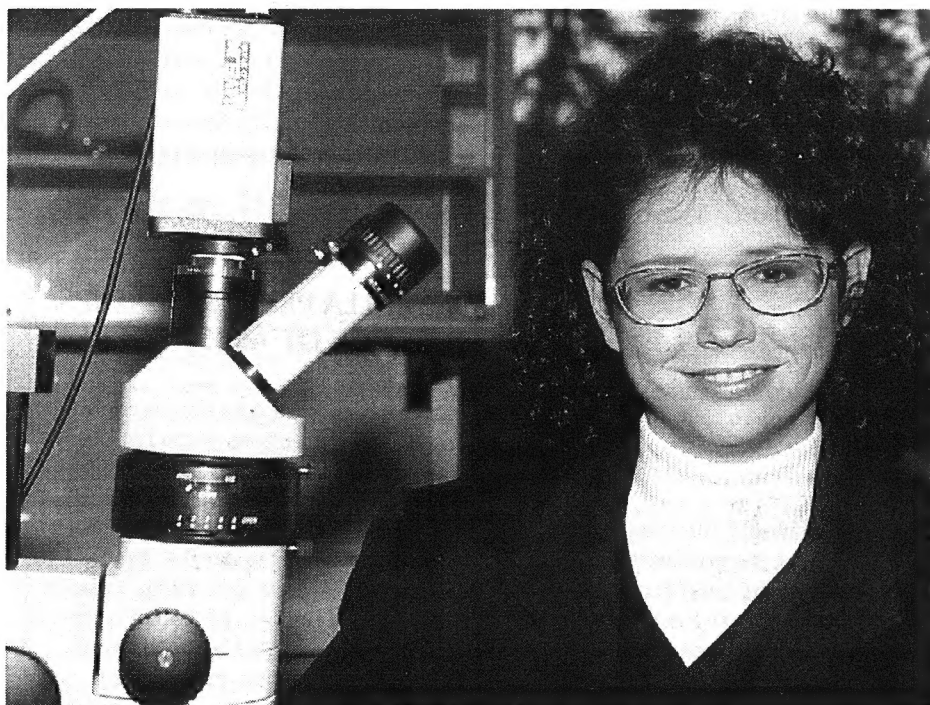
**D**uring the first two years of the Industrial Postgraduate Scholarships Program, University of Alberta students have been awarded 20 scholarships—more than any other university in Canada.

The Natural Sciences and Engineering Research Council scholarships are designed to foster partnerships between Canadian universities and industry. NSERC kicks in \$12,500 per year for two years and industry matches the contribution with at least \$5,000 per year.

"In the long term, I believe that this type of program will help us develop stronger research partnerships with local companies," says Dean of Graduate Studies and Research Murray Gray. "Our success is due primarily to the hard work of the faculty members to attract top quality graduate students and to solicit industrial funding."

Three scholarships have been awarded to students in Agriculture, Forestry, and Home Economics: Paul Goerzen, Lea Dawn Muller and Kelly Tappenden. Eight have been awarded to students in Engineering: Ronald Beaudoin, Douglas Dewar, Alfred Dorey, Mark Fiala, Rainer Iraschko, Michel Lefebvre, Kevin Robbie and Stefan Roberts. And nine have been awarded to students in Science: Jonathan Baldwin, Catherine Beaudoin, Kenneth Der, Jeanette Evans, Adam James, David McLeod, Michael Norton, Robert Shaffer and Mari Veliz.

Corporate sponsors are: Panoramic Viewing Systems Inc, Alberta Pacific Forest Industries, The Laser Institute, Syncrude Canada Ltd, Western Archrib, Shaver Poultry, TRILabs, NOVA Corporation, Axion Spatial Imaging, Alberta Microelectronic Centre, Alternative Fuel Systems Inc, and Clintec.



Agricultural, Food and Nutritional Science student Kelly Tappenden

### ■ Kelly Tappenden

Department: *Agricultural, Food and Nutritional Science*  
Corporate sponsor: *Clintec*  
Advisor: *Michael McBurney*  
Degree: *PhD*

**T**he intestine has a tendency to waste away through undernourishment or lack of use, especially when people are fed intravenously. Nutritionists know some of the factors that affect the intestine's health, but very little is known about the effects of nutrition on gastrointestinal growth

factors. It's a problem graduate student Kelly Tappenden wants to understand.

Working with rats and using molecular biology techniques, Tappenden has discovered that in fact the addition of short chain fatty acids to intravenous fluids will help the intestine maintain its health. "We're trying to determine what nutrients are required to maintain gut function," she explains.

"And we're looking at how nutrients can affect the gene expression of various important growth factors in the gut."

Ultimately, the goal is to give nutritionists the tools to combat malnutrition, and to maximize the absorption of the nutrients they do receive.

It's a problem Tappenden encountered while working as a nutritionist at the Misericordia Hospital. Naturally, when she returned to conduct graduate work, she wanted to explore the issue in greater depth. Corporate backer, Clintec Nutrition Company, a multinational firm that makes nutrition fluids, is also interested in understanding factors regulating intestinal adaptation.

Tappenden says the support she received from NSERC and the company has enabled her to do work at the company's Chicago laboratories, to meet a great many people in the industry and to combine basic and applied research to tackle the problem. She plans to do postdoctoral work at the University of Texas at the Houston Health Sciences Centre.

### ■ Kevin Robbie

Department: *Electrical Engineering*  
Corporate sponsor: *Alberta Microelectronic Centre*  
Advisor: *Michael Brett*  
Degree: *PhD*

**I**ntellectual curiosity often leads to some pretty great ideas—ideas that industry may be able to develop for commercial purposes. A case in point: usually thin films are applied uniformly, straight on to objects. But graduate student Kevin Robbie decided he wanted to see what happens when thin films are applied at sharp angles and while moving the object being coated. He began to experiment with several different ways of applying the materials.

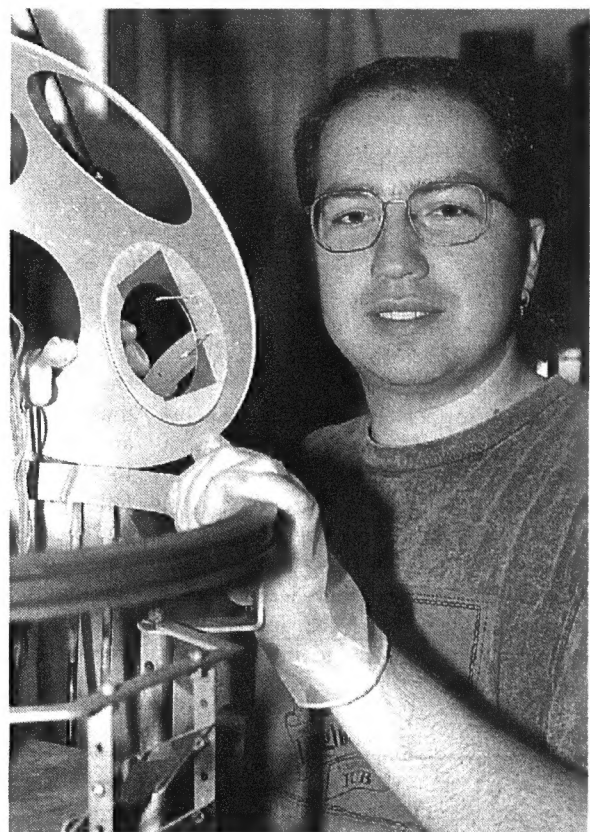
When he and thesis advisor Michael Brett stuck the materials under a scanning electron microscope, the results were stunning, he says. The texture of the materials being applied in micro-layers was completely changed. Some were "shadow-sculpted" to produce helical shapes. In effect, the surfaces of thin films can be manipulated and textured with the processes Robbie has developed.

They quickly filed a patent. Then they started to think about its possible uses.

Robbie points out, for example, that thin films are applied to jet turbine engines to give them greater heat resistance. But the thin films are prone to cracking. Perhaps, he speculates, a thin film with a different surface texture would reduce the extent to which they fracture. Another example: titanium is widely used where strong light

alloys are required. If the thin film surface of the titanium plates used in hip replacements could be textured and more porous, the bond the bone makes with the metal could be much stronger.

Robbie, who earned his Bachelor of Science degree in engineering physics here at the U of A, says the Alberta Microelectronic Centre is the perfect place to con-



Electrical Engineering student Kevin Robbie

duct this kind of research. It has the technical resources and the willingness to support students' research.

"This is a great example of how curiosity can lead to applied work," he says.

### ■ Michael Norton

Department: *Biological Sciences*  
Corporate sponsor: *Alberta Pacific Forest Industries*  
Advisor: *Susan Hannon*  
Degree: *MSc*

**A** two-year study of the effects of logging on songbirds in the boreal mixed-wood forests of north-central Alberta indicates that the partial-cutting practices of logging are not as harmful as clearcutting practices.

The study's author, Michael Norton, says there's no doubt that harvesting trees reduces the number of birds and the diversity of species. He concludes that keeping up to 40 percent of the trees standing on cut areas can benefit bird communities when the method is used as one technique in a large-scale forest management strategy.

"We've always thought it [partial cutting] looks better, but does it really benefit the birds?"

Norton worked closely with Alberta Pacific Forest Industries in the Calling Lake area. The company helped him prepare the study area by clearcutting some areas, leaving others standing, and partially cutting other areas.

Norton found that ground-dwelling birds were in similar numbers before and after tree harvesting; however, the tree- and shrub-inhabiting birds decreased with the amount of remaining vegetation cover. Fourteen of 36 species declined significantly in abundance following logging. And seven of eight species that were absent from clearcuts were retained at very low abundances in partial cuts.

The larger, unanswered question is whether the birds' reproductive success is greatly affected. And what impact does the creation of more edge habitat have on the songbirds? Does the practice create different problems, such as more ferocious predation and parasitism rates?

The work conducted by Norton will constitute one chapter of his thesis. Mean-time, he lauds Alberta Pacific Forest Industries for its willingness to support the research. He's hopeful the work will lead to changes in public policy governing forestry practices. ■



Biological Sciences student Michael Norton

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# U of A scientists help steer national research

By David Holehouse

The University of Alberta now has what is considered the rare distinction of being represented on three major research agencies.

Joel Wiener, Associate Dean, Research, Faculty of Medicine, was appointed to the Medical Research Council during the summer. At the same time, Chemistry Professor Norm Dovichi was appointed to the Natural Sciences and Engineering Research Council. Patricia Clements, Dean of the Faculty of Arts, was appointed to the Social Sciences and Humanities Research Council about two years ago.

"I think this acknowledges the strength that we have as a university in research in all the major areas," says Martha Piper, Vice-President (Research and External Affairs). "To have three members on these councils from the same university is quite remarkable. These appointments are a reflection of academic excellence and achievement, of national and international recognition, and of the fact that these people are acknowledged leaders in their field."

All three appointees say there are benefits to Alberta and to the University in being at the table when national research policies and priorities are discussed.

"I was very glad to receive the appointment," Dr Wiener says. "It's been two or three years since there was a member from Alberta on the MRC, and we had been lobbying the federal government to change that."

Dr Wiener said the appointment will allow him to report back on what's happening at the national level, and to move some issues important to the University of Alberta onto the agenda.

"The membership until now has been weighted towards the Montreal-Toronto area, which has affected where research is done and how it is funded. We have been very concerned about the approach they have taken towards graduate scholarships. For instance, our students here became ineligible for the Walter Johns Awards. Also, we are very strong in structural biology and we need state-of-the-art equipment. We want to make sure the MRC is aware of this, and if they are going to build a national nuclear magnetic resonance centre, that it be here."

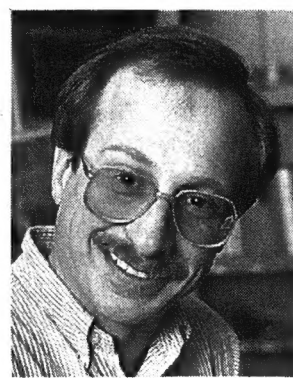
MRC has seen its share of funding cuts, from \$250 million to \$242 million, but Dr Wiener says it has been quite innovative and successful in sourcing new money and building new partnerships.

NSERC has had one meeting since Dr Dovichi was appointed, and one of the key topics for discussion was budget cuts. The analytical chemist says one item he wants to address is NSERC's decision to eliminate fellowships for undergraduates during summer research.

"I see that as a cheap investment that has long-term benefits," he says. "We need to find ways to get undergraduates involved in research as soon as possible."



Patricia Clements



Norm Dovichi



Joel Wiener

The council has experienced a 15 per cent budget cut over three years, and is now working to reallocate funds to the various disciplines. "That will be a very important and challenging issue, given how science and technology are evolving," Dr Dovichi says.

Dr Clements is a member of the SSHRC board and also of the executive council. This is the last year of her three-year appointment.

"I think that being on the board does give one an opportunity to shape the national agenda," she says. "I've also been a member of the strategic planning task force, which has produced the next five-year plan in consultation with the academic community."

Dr Clements says there are some very positive and exciting challenges facing

SSHRC and social sciences research in Canada.

One is the linkage with community needs, and the move to build partnerships with governments and organizations to bring the resources of the academic community to bear on problems such as immigration and integration, poverty, the environment and so on.

Another is the need to channel more research money to scientists working in universities.

"About 80 per cent of Canada's university teachers are working in SSHRC's areas of interest, but they receive only a small proportion of the research budget," Dr Clements says. "SSHRC is working very positively and aggressively, however, to build partnerships to address this." ■



## LETTERS TO THE EDITOR

### The view from the 'shop floor'

Why does *Folio* have so few letters to the editor lately? That has puzzled me over the last year, but then I reflect upon the letters I have started but either not finished or submitted, and wonder if that situation is pervasive and others have had the same "What's the use?" feeling. It is time, I think, to express some views about recent issues of *Folio* and the state of the University.

While I appreciate the many accomplishments of my colleagues, and don't really object to publicizing them, one gets the impression from reading *Folio* that all is rosy in our version of academe. Yet my sense from conversations with employees of the University, and from observing what is taking place on the "shop floor", as our president refers to our ongoing teaching and research, is that the reality of our situation is somewhat different from the rosy picture painted publicly by the administration and your publication.

The pressure to increase enrollment and the reduction of both academic and support staff, exacerbated in the short-term by the early retirement incentive program, have left, it seems, instructors attempting to deal with more course sections, and greater numbers in many of them, with fewer resources to draw on. As teachers are encouraged to use computer technology in providing lectures, and lecture notes on WorldWideWeb sites, the

facilities and time to do so are sadly limited. We hear of a state-of-the-art classroom being demonstrated for the public, but do not hear that the same technological approach is extremely difficult if not impossible in most other classrooms. We hear of the great "educational" benefits for various departmental mergers, but hear nothing of the confusion and stressful circumstances those mergers produce for many of those involved. We hear the administration trumpet any triumph or sign of national recognition, but we hear nothing of the problems of delivery and the erosion of the faculty's ability to carry out educational endeavors as they believe is best for the students. In all of this the administration seems to have swallowed the government line that doing more with less is bound to be good for all of us, and to sell the University to the public as whatever the provincial government currently is asking it to be or do.

A ray of hope appears in an article on a survey of employment of U of A graduates in *Folio* (20 September 1996), in which Vice-President (Academic) Doug O'ram is cited as saying that "the University's job will still be to educate students, not just train them for a role in the work world." Would that more statements and actions of the administration were more strongly focused on that goal—and that, along with proclaiming our accomplishments, the

administration would admit to, and try harder to resolve, the problems faced by the University in this time of cutbacks and efforts by some to make the University of Alberta a glorified technological institution.

Jan O Murie

Professor Emeritus of Biological Sciences

*Ed. note:* Like Dr Murie, *Folio* wonders if letter writers are falling prey to the "What's the use?" malaise. We won't offer a platitudinous "Cheer up," but we will argue that it's better to verbalize than to internalize—better for the individual, better for the publication, and better for the University. Let us hear from you in the form of letters to the editor or opinion pieces. Address them to The Editor, *Folio*, 400 Athabasca Hall. E-mail: [public.affairs@ualberta.ca](mailto:public.affairs@ualberta.ca) Fax: 492-2997.

### MCCALLA PROFESSORSHIPS: FACULTY OF ARTS

The Faculty of Arts invites continuing full-time members of the Faculty to apply for a McCalla Professorship for 1997-98. These prestigious awards provide full-time teaching relief for the period September to April to enable recipients to pursue a research/creative project in Edmonton. McCalla Professorships are awarded on the basis of scholarly merit of the proposed research/creative activity as assessed by an elected committee of the Faculty of Arts. The Professorships cannot be held concurrently with, immediately preceding, or immediately following a study or administrative leave.

Application forms are available from department offices. Applications are to be forwarded to Department Chairs and must be received by the Dean of Arts by 1 November 1996. Additional information may be obtained from Gary Libben, Associate Dean of Arts (492-9132).

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# Teaching the World takes the province by storm

By David Holehouse

A travelling display that showcases some of the textbooks and teaching materials resulting from research at the University of Alberta has been judged a hit.

*Teaching the World* is a collaborative effort of the Office of the Vice-President (Research and External Affairs), Museums and Collections Services, Graphic Design

## Comments from *Teaching the World's* guestbook

"U of A represented well"

"Excellent"

"Wonderful"

"As a grad of the U of A, I'm impressed"

"Fantastic"

"A very fine exhibit"

"Visually pleasing"

Hometowns of people who have seen the exhibition include San Francisco, Brisbane, Abbotsford, Picture Butte, Missoula, Toronto, Vancouver, Brooks and Manyberries.

Services and the Library. Awards were won for the graphics used in the display, and the response from people who saw it has been strongly positive, said Frannie Blondheim, Public Information Coordinator with Museums and Collections Services.

"We met some very happy alumni, lots of prospective Canadian and international students, even some people wanting to buy the books," she said. "We reached thousands of people. Staff at The University of Calgary were impressed with this way of showing what research is all about. Many people were excited to see that Canadian and Alberta authors were writing these books, rather than Americans."

The display shows that research at the University of Alberta translates into influential textbooks and teaching materials that are used all over the world. Organizers received 400 submissions when they asked professors for information about texts they had written or co-authored, and then chose 35 of these publications for the display.

"We wanted to show how textbooks link research and teaching," said Blondheim. "They are often an overlooked byproduct of research, but in reality they are of great importance to children and students all over the world."



*Teaching the World* continued to attract interest at its location in the legislature pedway in Edmonton this month.

*Teaching the World* was launched on campus in March of this year, and later taken to Calgary, Lethbridge, Red Deer

and Medicine Hat. Later this month it will be seen in Banff. ■

## Canadian Institute of Ukrainian Studies celebrates 20th birthday

By Folio staff

The Canadian Institute of Ukrainian Studies, which turned 20 during the summer, will note that milestone with a conference and banquet tomorrow.

The day-long event will take place at the Chateau Louis Conference Centre.

Building the Future '96 Conference includes sessions on Independent Ukraine, Religious Issues in Ukraine, New Approaches in Ukrainian Language Education, Ukrainian Studies and the Community, and the Campaign for Multiculturalism. The conference is being cosponsored by the Ukrainian Canadian Congress and will also include sessions on Technical Assistance Projects in Ukraine, Land Privatization, and Energy Industry Developments.

The banquet commemorating CIUS's 20th anniversary will be addressed by His Excellency Volodymyr Furkalo, Ukraine's Ambassador to Canada, and Zenon Kohut, CIUS Director. (Further information on the

conference can be obtained by calling 492-2972.)

CIUS was established on 1 July 1976, to provide institutional support for the development of Ukrainian scholarship and cultural heritage. The provincial government's commitment of \$350,000 in annual funding to the Institute was the largest allotment of public funds received by a Ukrainian community project outside Ukraine.

From the outset, CIUS assumed a national mandate, maintaining a strong presence in eastern Canada through its Toronto Encyclopedia Project Office. Shortly after being founded, CIUS entered into an agreement with the Shevchenko Scientific Society in Europe, to publish the *Encyclopedia of Ukraine* in English. Until its completion 17 years later, the five-volume encyclopedia was the Institute's top priority.

"We've been able to recruit good people, for example, translators and editors,"

Dr Kohut, CIUS's third director following Dr Manoly Lupul and Dr Bohdan Krawchenko, says of the encyclopedia and current projects such as the translation into English of Mykhailo Hrushevsky's *History of Ukraine-Rus'*.

CIUS's other achievements include establishing a public lecture series in Edmonton and Toronto, coordinating the publication of Ukrainian language teaching materials for Alberta Education, helping with the upgrading of teacher education, and staging a series of annual conferences on Ukrainians in Canada.

Over the years, the Institute has supported the work of upwards of 400 academics and students in Canada and abroad through its fellowships, scholarships and research grants.

The Peter Jacyk Centre for Ukrainian Historical Research was established in 1989 with a \$1 million donation from Toronto businessman Peter Jacyk, matched two-to-one by the Alberta government for a total of \$3 million. The following year, CIUS, thanks to the

generosity of the Stasiuk Family Endowment Fund, added the Stasiuk Program for the Study of Contemporary Ukraine.

Since the late 1980s, CIUS has often advised government, business and academe on developments in Ukraine, and has supported Ukrainian scholarly and government institutions in their efforts to effect reform.

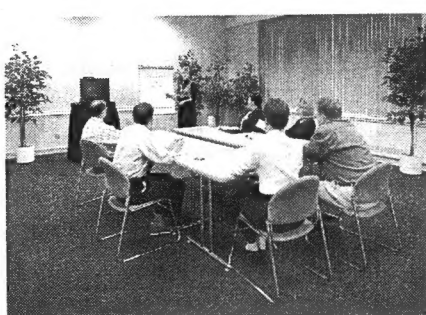
The Canada-Ukraine Legislative Cooperation Project, administered by CIUS and partially funded by a \$2.2 million grant from CIDA, will introduce about 120 Ukrainian legislators and government officials to Canadian policy development and legislative practices.

Most recently, CIUS is spearheading a private-sector driven trade promotion program which, in collaboration with the Government of Canada and the respective provincial governments, is organizing a trade show to be held in Calgary (oil and gas sector), Regina (agriculture and food processing) and Winnipeg (construction) in June. ■

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# Academic staff promotions (effective 1 July 1996)

## AGRICULTURE, FORESTRY, AND HOME ECONOMICS

Name	Department	New Rank
VE Baracos	AgrFood&NutrSc	Professor
CJ Field	AgrFood&NutrSc	Assoc Professor
MA Naeth	Renew Resources	Assoc Professor

## ARTS

Name	Department	New Rank
NO Fiertel	Art and Design	Professor
KE Gunnars	English	Professor
EA McDougall	HistoryClassics	Professor
C Potvin	MdrnLang&CompSt	Professor
LH Craig	Political Sc	Professor
MRW Dawson	Psychology	Professor
RA Morrow	Sociology	Professor
ES Higgs	Anthropology	Assoc Professor
B Coleman	Drama	Assoc Professor
HJ van Egteren	Economics	Assoc Professor
SL Smith	HistoryClassics	Assoc Professor
FA Swyripa	HistoryClassics	Assoc Professor
DE Gramit	Music	Assoc Professor
H Klumpenhouwer	Music	Assoc Professor
JJH Creechan	Sociology	Assoc Professor

## BUSINESS

Name	Department	New Rank
I Ivankovich	MktgBusEcon&Law	Professor
J Xie	Actg&MgmtInfSys	Assoc Professor

## EDUCATION

Name	Department	New Rank
E Callan	Educ Policy St	Professor
JF Peters	Educ Policy St	Professor
PT Rooke	Educ Policy St	Professor
M Wilson	Educ Policy St	Professor
SM Scott	Educ Policy St	Assoc Professor
JA Cameron	Educ Psychology	Assoc Professor

## ENGINEERING

Name	Department	New Rank
SM AbouRizk	Civil & Env Eng	Professor
JC Salmon	Elect&CompEng	Professor

## FACULTÉ SAINT-JEAN

Name	Department	New Rank
F Gobeil-Dwyer	Faculté St Jean	Assoc Professor

## EXTENSION

Name	Department	New Rank
R Boehm	Extension	Assoc Professor

## LAW

Name	Department	New Rank
JM Law	Law	Professor
AW Acorn	Law	Assoc Professor

## LIBRARY

Name	Department	New Rank
KJ Wilson	Lib/PS Educ	Librarian 3

## MEDICINE AND ORAL HEALTH SCIENCES

Name	Department	New Rank
MJ Ellison	Biochemistry	Professor
RE Snyder	Biomedical Eng	Professor
RN Fedorak	Medicine	Professor
EA Ryan	Medicine	Professor
J Vance	Medicine	Professor
PW Major	Oral Health Sc	Professor
AJ Greenshaw	Psychiatry	Professor
NM Kneteman	Surgery	Professor
M Pasdar	Anatomy	Assoc Professor
CD Rasmussen	Anatomy	Assoc Professor
L Chang	MedMicro&Imm	Assoc Professor
CFB Holmes	Biochemistry	Assoc Professor
SA Rice	Biochemistry	Assoc Professor
SM Rosenberg	Biochemistry	Assoc Professor

CA Spencer	Biochemistry	Assoc Professor
FR Brenneis	Family Medicine	Assoc Professor
DM Gilchrist	Medicine	Assoc Professor
PG Hamilton	Medicine	Assoc Professor
KM Kavanagh	Medicine	Assoc Professor
WP Maksymowych	Medicine	Assoc Professor
AMW Penn	Medicine	Assoc Professor
DA Taylor	Medicine	Assoc Professor
N Okun	Obst & Gyn	Assoc Professor
JE Ellsworth	Pediatrics	Assoc Professor
WL Vaudry	Pediatrics	Assoc Professor
TF Bayans	HSLabAnimSrv	FSO 3

## NURSING

Name	Department	New Rank
CJM Ross	Nursing	Assoc Professor
VR Strang	Nursing	Assoc Professor

## PHYSICAL EDUCATION AND RECREATION

Name	Department	New Rank
DG Horwood	Phys Ed & Recr	Professor
TD Hinch	Phys Ed & Recr	Assoc Professor

## REHABILITATION MEDICINE

Name	Department	New Rank
YN Bhambhani	Occup Therapy	Professor
MM Hodge	Spch Path & Audio	Assoc Professor

## SCIENCE

Name	Department	New Rank
J Hoddinott	Biological Sc	Professor
WM Tonn	Biological Sc	Professor
MM Palcic	Chemistry	Professor
P Gburzynski	Computing Sc	Professor
A Pianzola	Mathematical Sc	Professor
JWH So	Mathematical Sc	Professor
AB Keddie	Biological Sc	Assoc Professor
BK Leskiw	Biological Sc	Assoc Professor



## LAURELS

■ Clothing and Textiles graduate students **Wendy Bakgaard** and **Joëlle Renzi** won international design awards at the Canadian Reflections Conference of the International Textile and Apparel Association held in Banff. ITAA is a global educational and scientific corporation of textile, apparel, and merchandising scholars in education, business, government and industry.

■ **Maryanne Doherty-Poirier** has been selected as the recipient of the Faculty of Agriculture, Forestry, and Home Economics Teaching Award for 1996.

■ The International Dairy Foods Association Research Award has been presented to **Paul Jelen**, Professor of Agricultural, Food and Nutritional Science. The award, which pertains to dairy foods processing, was bestowed upon Dr Jelen at the 91st annual meeting of the American Dairy Science Association. One of Dr Jelen's students, **Bill Rattray**, achieved 3rd place in the student research paper competition.

■ **Joane Martell**, newly appointed Assistant Professor in the Department of Sociology, has won the Governor General's Gold Medal for the best PhD in any subject produced at Université du Québec à Montréal during 1995-96.

■ **Norbert Morgenstern**, University Professor and Chair, Department of Civil Engineering, has been elected a Foreign Member of The Royal Academy of Engineering. The Royal Academy of Engineering comprises the United Kingdom's most eminent engineers of all disciplines. The Academy concerns itself with the pursuit, encouragement and maintenance of excellence in the whole field of engineering in order to promote the advancement of the science, art and practice of engineering for the public's benefit.

■ **Anne Naeth** has won the Canadian Land Reclamation Association's national award

for "outstanding achievement in the field of land reclamation". Dr Naeth is Associate Professor of Renewable Resources and Agricultural, Food and Nutritional Science. She was presented with the Noranda Land Reclamation Award at the CLRA annual meeting in Calgary last month.

■ **DC Sego**, Professor of Civil and Environmental Engineering, is a co-recipient of the 1996 Roger J.E. Brown Award from the Canadian Geotechnical Society for outstanding contributions to permafrost science and engineering. This award to Dr Sego and co-recipient, Dr **Elizabeth Hivon**, recognizes in particular the research into the behaviour of saline permafrost carried out by Dr Hivon while a doctoral student at the University of Alberta.

■ The Alberta Medical Association has awarded emergency physician **Terry Sosnowski** a Medal for Distinguished Service. "Dr Sosnowski has improved emergency medical education and, subsequently, the emergency care provided in Alberta," the AMA said of the program director of the emergency medicine residency and Assistant Clinical Professor in the Division of Emergency Medicine.

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## TALKS

### ACADEMIC TECHNOLOGIES FOR LEARNING

31 October, 1:30 pm

Michael Dolence, educational consultant, author and social commentator, "Transforming Higher Education: A Vision for Change in the 21st Century." Timms Centre for the Arts.

### AFRICAN MANAGEMENT PROGRAM, INTERNATIONAL CENTRE, POLITICAL SCIENCE

8 October, 3:30 pm

Mathews Phosa, Premier of Mpumalanga, South Africa, "Political Realities in the New South Africa." 1-05 Business Building.

### ALBERTA HERITAGE FOUNDATION FOR MEDICAL RESEARCH

18 October, 3:30 pm

Henry Krause, associate professor, Banting and Best Department of Medical Research, University of Toronto, "The Homeobox: Rosetta Stone or Pandora's Box?" G-116 Biological Sciences Building. This seminar is part of the Genetics 605 Seminar series.

### ALBERTA INTERNATIONAL, INTERNATIONAL CENTRE, UNIVERSITY OF GUELPH

24 October, 7:30 pm

Vaclav Smil, professor, University of Manitoba, "Who Will Feed China? An Unorthodox Look at a Misunderstood Challenge." 2-115 Education North.

### ANTHROPOLOGY

7 October, 3 pm

Susan Perry, "Social Complexity in White-faced Capuchins." 14-28 Tory Building.

18 October, 3 pm

Christopher Meiklejohn, University of Winnipeg, "Bioarchaeology of the Mesolithic-Neolithic Transition from a Scandinavian Perspective." 14-28 Tory Building.

### AQUATIC ECOLOGY

10 October, 12:30 pm

Alison Little, "Food and Habitat Use Within the Fish Assemblages in the Lower Slave River, NWT." G-116 Biological Sciences Building.

17 October, 12:30 pm

Jay White, "Effects of Wastewater on the Water Chemistry of Frank Lake, Alberta." G-116 Biological Sciences Building.

### BIOLOGICAL SCIENCES

4 October, 3:30 pm

Rachel Wevrick, "Of Genes and Genomes: Imprinting the Prader-Willi Syndrome." G-116 Biological Sciences Centre. This seminar is part of the Genetics 605 Seminar Series.

24 October, 11 am

Doug Craig, "Bang for Your Buck: Twenty Years of Tahitian Black Flies." TB-W1 Tory Breeze-way.

### CATHOLIC CAMPUS MINISTRY

6 October, 8 pm

Sr Mary Lou Cranston, "The Fetus and Rights—Christian Perspectives on a Discussion that Just Won't Go Away!" Newman Centre, St Joseph's College.

### CENTRE FOR RESEARCH IN CHILD DEVELOPMENT

4 October, 1 pm

Gilbert Gottlieb, Department of Psychology, and the Center for Developmental Science, University of North Carolina at Chapel Hill, "Building Programs for Cooperative Research: The Carolina Consortium on Human Development." P-218 Biological Sciences Building.

### CHEMICAL ENGINEERING

8 October, 3:30 pm

Mark E Davis, Warren and Katherine Schlenger Professor of Chemical Engineering, California Institute of Technology, "Zeolit Catalysis: Past, Present and Future." 345 Chemical-Mineral Engineering Building.

10 October, 3:30 pm

Sandy Campbell, "How to Spend Less Time in the Library and More Time Skiing." 342 Chemical-Mineral Engineering Building.

### CHEMISTRY

7 October, 11 am

R Stanley Brown, Department of Chemistry, Queen's University, "Hydrolysis of a Distorted Amide Promoted by Thiol-containing Carboxylic Acids. Mechanism and Scope." V-107 Physics Wing.

9 October, 1 pm

Andrew J Bennet, Department of Chemistry, Simon Fraser University, "Stability of Carbocations in Aqueous Solution: Reactions of Glycosides and Homoallylic Halides." E3-25 Chemistry Building.

### ECONOMICS

4 October, 3 pm

Andre de Palma, Université de Cergy-Pontoise, "The Market for Audit Services and Mandatory Rotation." 8-22 Tory Building.

9 October, 3 pm

Paul Boothe, "Regional Macroeconomics Fluctuations in Australia." 8-22 Tory Building.

17 October, 3:30 pm

R Howard, S Peddie, and D VanWart, Alberta Treasury, "Efficiency Gains from a Flat Tax." 8-22 Tory Building.

18 October, 3 pm

X Zhu, University of Toronto, "Soft Budget Constraints and Inflation Cycles: A Positive Model of Post-reform China." 8-22 Tory Building.

### ECONOMICS AND ALBERTA TREASURY

23 October, 3 pm

Doug May, Memorial University, "Politics Versus Economics: A Study of UI Reform in Atlantic Canada." B-87 Tory Building.

### ENGLISH

4 October, 4 pm

Merle Collins, Caribbean writer who teaches at the University of Maryland, "Drama and Story: Caribbean Women in Writing and Performance." L-3 Humanities Centre.

### HUMAN ECOLOGY

5 October, 11 am

Empey Lecture. Mary Sullivan Holdgrafer, professional quilt artist and teacher, and Cynthia Dunnigan, "The Healing is in the Making: Experiences of Women Making Breast Cancer Quilts." 201 Law Centre.

10 October, 1 pm

Gail Manwaring, "The Meaning of Disclosure for Survivors of Intrafamilial Sexual Abuse: Ethical Issues." 131 Home Economics Building.

17 October, 1 pm

Irene Karsten, "To Stitch or Not to Stitch: Examining Adhesive Backing Treatments for Degraded Silk." 131 Home Economics Building.

24 October, 1 pm

Louise Forest, "Choices and Changes: A Model Program Designed to Enhance Women's Problem Solving About Mid-life Issues." 131 Home Economics Building.

### MECHANICAL ENGINEERING

18 October, 3 pm

Roydon Fraser, Mechanical Engineering Department, University of Waterloo, "Energy vs Humanity." 2-1 Mechanical Engineering Building.

### MODERN LANGUAGES AND COMPARATIVE STUDIES

4 October, 3 pm

Donald Bruce, "Exchanging Values: Symbolic Resistance to the Cash Nexus in Jules Vallès's *Jacques Vingtras*." Senate Chamber, Arts Building.

17 October, 7 pm

Eileen Schuller, professor, Department of Religious Studies, McMaster University, "Issues in the Dead Sea Scrolls." 129 Education South.

### PHARMACOLOGY

25 October, 10 am

Roy Pettipher, Pfizer Central Research, Groton, CN, "Factors Regulating Tumor Necrosis Factor Production." 9-68 Medical Sciences Building.

### PHYSICS

25 October, 2 pm

Alan Astbury, director of TRIUMF, Vancouver, "The Particle Physics Trilogy Part III. The TRIUMF Program." V-129 Physics Building.

### PSYCHOLOGY

22nd Annual MacEachran Memorial Lecture Series. Gilbert Gottlieb, Center for Developmental Science, University of North Carolina, Chapel Hill.

7 October, 4:30 pm

"A Developmental Psychobiological Systems View: History and Current Status." CW-410 Biological Sciences Building.

8 October, 4:30 pm

"Prenatal Roots of Instinctive Behavior." CW-410 Biological Sciences Building.

9 October, 4:30 pm

"Individual Development and Evolution: The Genesis of Novel Behavior." CW-410 Biological Sciences Building.

### RENEWABLE RESOURCES

10 October, 3 pm

Lise Lachapelle, president and CEO, Canadian Pulp and Paper Association, Montreal, "Beyond 2000: The Challenges of the Pulp and Paper Industry." 126 Physics Building.

17 October, 12:30 pm

Art Bailey, "Bison Controlled Forest Expansion in Aspen Parkland: Truth, Half Truth or Non-sense?" 2-36 Earth Sciences Building.

24 October, 12:30 pm

Ross Wein, "Fire-Climate Change for Hypotheses for the Boreal Forest." 2-36 Earth Sciences Building.

### RURAL ECONOMY

8 October, 3:15 pm

Grant K Hauer, PhD candidate, Department of Applied Economics, University of Minnesota, "International Dispersion of Pollution Externalities: Multiple Public Bads in a Multi-jurisdictional Setting." 550 General Services Building.

10 October, 1:15 pm

Naomi T Krogman, adjunct professor, Department of Sociology, University of Southwestern Louisiana, "Frame Disputes in Wetland Policy: Louisiana's Stakeholders on Regulatory Reform." 550 General Services Building.

### SCHOOL OF LIBRARY AND INFORMATION STUDIES

28 October, noon

Gail de Vos, "Tales, Rumor, and Gossip: Literature-Book Project." 3-01 Rutherford South.

### UNIVERSITY TEACHING SERVICES

7 October, 3 pm

Bruce Clarke, "Using the Web for Homework Assignments and Interactive Teaching in Large Classes." CW-313 Biological Sciences Building.

8 October, 3:30 pm

Joel Denis and Franklin Thomas, practitioners of acupressurism, massage and stress management, and adult education, "Stress Management." 281 CAB.

9 October, 3 pm

Joe Fris, "Matrices for Efficient and Critical Review of Existing Information." 281 CAB.

10 October, 3:30 pm

John Buchanan, Jane King, and Steven Salterio, "Life on the Tenure Track: Reflections on Work in Process." 273 CAB.

### WESTERN CANADIAN CENTRE OF SPECIALIZATION IN DEAFNESS

18 October, 7 pm

Elaine Kramer Lecture in Communication Disorders. Jay McSpaden, audiologist, teacher of the deaf/professor, Director of Audiologist Services, "Hearing and the Future: Now and Then." 2-115 Education North.

### WHAT'S UP DOC?

17 October, 12:15 pm

Ken Norrie, "Future Direction for Canadian Federalism." City Room, City Hall, 1 Sir Winston Churchill Square.

### ZOOLOGY

8 October, 12:30 pm

Norm Neumann, "Antimicrobial Mechanisms of Vertebrate Macrophages." G-114 Biological Sciences Centre.

15 October, 12:30 pm

Pierre Peyon, "Study of Plurihormonal Control of the Hepatic Vitellogenesis in European Eel (*Anguilla anguilla* L.) at the Silver Stage: Role of Growth Hormone." G-114 Biological Sciences Centre.

22 October, 12:30 pm

James Lin, "Wound Healing Process in 'Muscle Cells' of Jellyfish." G-114 Biological Sciences Building.

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BEEF .....\$2.95

VEGETABLE .....\$2.75

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Curry Puffs. Fresh vegetable chopped dipped in lentils dough deep fried.

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Your choice of marinated Chicken, Lamb or Beef, charbroiled with our choice of herbs & spices.

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Cream of Lentils, homemade, seasoned with herbs.

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A special oriental soup with the taste of herbs & spices.

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Marinated fish done in a clay oven with fresh vegetables

SEAFOOD/CHEF'S SPECIAL

SHRIMP BUTTER MASALA .....All Levels \$13.95

Jumbo shrimp cooked in a buttery sauce.

FISH PUNJABI .....\$11.95

Marinated white fish deep fried with our chef's special sauce, served on a bed of Saffron Rice.

SHAHI BUTTER CHICKEN .....All Levels \$12.95

Charbroiled chicken marinated in herbs & spices, cooked in butter, served with Nan Bread.

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CHAPATEE or ROTI Home-made bread .....\$.95

NAN MAKHANI .....\$1.75

Plain Nan with butter. Fresh Dough Bread baked in our oven.

NANKEEMANI Above stuffed with minced beef. \$2.95

BHATURA Special Dough Bread Deep Fried .....\$1.50

PARATHA Crispy Bread fried on the grill .....\$1.95

ALU PARATHA Above stuffed with potatoes .....\$2.75

POORI .....\$1.50

BASMATI STEAMED RICE .....\$2.25

BASMATI RICE SAFFRON Rice cooked in saffron \$3.25

VILLAGE EXOTIC TANDOORI

TANDOORI CHICKEN .....All Levels \$18.50

TANDOORI CHICKEN HALF .....All Levels \$10.50

Tender chicken marinated in yogurt & spices.

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MAHARAJA LAMB KABOB

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RAITA: All items served in home-made yogurt

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MINT/TAMARIND .....\$1.50

MANGO/HOT SAUCE .....\$1.50

MIXED PICKLES/LIME PICKLES .....\$1.50

NON-VEGETARIAN

CHICKEN, BEEF OR LAMB CURRY. All Levels: \$7.95

Gravy with our choicest herbs & spices.

MASALA .....Med to Atomic \$8.95

Cream sauce cooked with herbs & spices.

DOPIAZZA .....Hot to Atomic \$8.95

Served on a bed of Juicy Onions.

DAHIWALA .....Mild to Atomic \$8.95

Cooked in home made yogurt with herbs & spices.

SAAGWALA .....Mild to Atomic \$8.95

Spinach & cream sauce cooked with herbs & spices.

VINDALOO .....Med to Atomic \$8.95

South Indian recipe with coconut base.

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Cooked with fresh vegetables and our choicest herbs & spices.

KORMA .....\$10.95

Combination of yogurt & cream sauce cooked with cashews & exotic fruit.

BHOONA .....\$10.95

Meat roasted in chef's special sauce with cashews, raisins & exotic fruit

KOFTA CURRY .....Med to Extra Hot \$8.95

Minced beef ball, fried in curry.

KEEMA/MUTTER CURRY .....Mild to Atomic \$8.95

Minced beef & peas cooked in gravy with our choicest herbs & spices.

EGG & KEEMA CURRY .....Med to Atomic \$8.95

Eggs cooked with ground beef, with herbs & spices.

\*\*\*ALL ABOVE SERVED WITH ONE CHAPATEE\*\*\*

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DAL MAKHANI .....Mild to Extra Hot \$7.95

Lentils cooked with red kidney beans.

DUM ALU .....Med to Atomic \$7.95

Potato curry cooked in yogurt with herbs & spices.

CHANNA MASALA .....Med to Atomic \$7.95

Chick peas garnished with green chilies, onions, potatoes and tomatoes.

VEGETABLE CURRY .....Med to Atomic \$7.95

Fresh seasonal vegetables with gravy.

ALU GOBI .....Mild to Hot \$7.95

Potatoes & cauliflower with herbs & spices.

PANEER BUTTER MASALA .....All Levels \$8.95

Home-made cheese cooked in butter sauce.

MATAR PANEER CURRY .....All Levels \$8.95

Home-made cheese with peas.

SAAG PANEER .....Mild to Atomic \$8.95

Home-made cheese with spinach & cream.

BHARATHA .....Med to Atomic \$8.95

Egg plant cooked with herbs & spices.

MUSHROOM CURRY .....Mild to Hot \$8.95

Mushrooms & peas, with our choicest herbs & spices.

BHINDI BHAJI .....Mild to Hot \$8.95

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## EVENTS

### EXHIBITIONS

#### McMULLEN GALLERY

Until 31 October

"Images of Hope—Photographs from The Donna Cipin Collection"—a unique collection of contemporary photographs expressing the nature and importance of hope in human life. Gallery hours: Monday to Friday, 10 am to 4 pm; Saturday and Sunday, 1 to 4 pm; (subject to availability of volunteers). Information: 492-8428 or 492-4211. Mackenzie Health Sciences Centre.

### MUSIC

7 October, 12:10 pm

Music at Noon. Convocation Hall Student Recital Series featuring students from the Department of Music. Convocation Hall.

18 October, 8 pm

Music at Convocation Hall featuring Tanya Prochazka, cello, with visiting professor Alexander Sandler, piano. Admission: \$10/adult, \$5/student and senior. Convocation Hall.

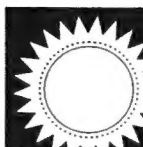
19 October, 8 pm

The University of Alberta Symphonic Wind Ensemble Concert. Fordyce C Pier, director. Admission: \$5/adult, \$3/student and senior. Convocation Hall.

21 October, 8 pm

The GMCC and U of A Jazz Bands I and II Concert. Raymond Baril and Tom Dust, directors. Admission: \$5/adult, \$3/student and senior. Convocation Hall.

All concerts and events are subject to change without notice. Please call 492-0601 to confirm concerts (after office hours a recorded message will note any changes to the schedule).



## AWARD OPPORTUNITIES

### THE MANNING AWARDS

Do you have a bright idea that's being put to use in Canada? Know of anyone else who has? If so, the Ernest C Manning Awards Foundation wants to hear from you.

The Manning Awards have been recognizing flashes of Canadian brilliance for more than 15 years, with the \$100,000 Principal Award, the \$25,000 Award of Distinction and two \$5,000 Innovation Awards being presented to Canadians who have conceived and developed new concepts, procedures, processes or products of benefit to Canada.

Ideas big and small have been rewarded—the IMAX film system was invented by a Canadian, as was the zipper.

Nominations close annually on 15 February, or the following business day. To receive a nomination form or more information, call or write: The Manning Awards, 3900, 421 - 7 Avenue S.W., Calgary, Alberta T2P 4K9 Telephone: (403) 266-7571, fax: (403) 266-8154 or visit us on the Internet at: <http://www.manningawards.ca>

The Ernest C Manning Awards Foundation is a not-for-profit organization intended to encourage world-class Canadian innovation. The Manning Awards are privately financed through contributions from the corporate sector and individuals.



## POSITIONS

*The University of Alberta is committed to the principle of equity in employment. As an employer, we welcome diversity in the workplace and encourage applications from all qualified women and men, including Aboriginal peoples, persons with disabilities, and members of visible minorities.*

### ACADEMIC STAFF

#### DEAN, FACULTY OF SCIENCE

Applications and nominations are invited for the position of Dean of the Faculty of Science.

The Faculty of Science consists of 300 full-time faculty members and 200 support staff in seven Departments which offer BSc, MSc and doctoral programs. The Departments are Biological Sciences, Chemistry, Computing Science, Earth and Atmospheric Sciences, Mathematical Sciences, Physics and Psychology. In addition to offering undergraduate programs to 4,700 full-time students, the academic staff members are actively involved in graduate instruction and research. Research activities generate approximately \$22 million in grant and contract support. Further information may be obtained from the World Wide Web at URL <http://eta.sci.ualberta.ca>

The Dean is responsible to the Vice-President (Academic) for the supervision and administration of the academic programs, budget, and all activities of the Faculty. Candidates should have proven administrative ability, well-developed leadership skills and strong academic qualifications in a field of research that enhances the activities of the Faculty.

The appointment will take effect on 1 July 1997 or as soon as possible thereafter. Written nominations or applications, accompanied in the latter case by a résumé of qualifications and experience, and the names of three referees, should be submitted by 15 December 1996 to: Dr Doug Owrarn, Vice-President (Academic), Third Floor University Hall, University of Alberta, Edmonton, Alberta T6G 2J9

#### DEAN, FACULTY OF LAW

Applications and nominations are invited for the position of Dean of the Faculty of Law.

The Faculty of Law offers a program leading to the degree of Bachelor of Laws which is designed to provide students with an understanding of the fundamental principles of law, the structure and content of the legal systems of Alberta and Canada, and the history and philosophy of law; to qualify students for the practice of law in Alberta or any other common law jurisdiction in Canada; and to train students in the legal aspects of business and government administration. The objective of the Faculty has been to encourage rigorous analysis in the study of law as a scholarly discipline. In addition to the LLB degree, the Faculty also offers a Post-graduate Diploma in Law, and a combined MBA-LLB Degree and Master of Laws Degree. Current undergraduate enrollment is approximately 500 students and 12 graduate students. The faculty has 25 full-time faculty members.

The Dean is responsible to the Vice-President (Academic) for the supervision and administration of the academic program, budget, and all activities of the Faculty. Candidates should have a demonstrated capacity for collegial leadership, strong academic qualities, proven administrative ability and be committed to excellence in teaching and research. The Dean will also be capable of developing a warm relationship with the alumni. The appointment will take effect 1 July 1997 or as soon

thereafter as possible. Written nominations or applications, accompanied in the latter case by a résumé of qualifications and experience, and the names of three referees, should be submitted by 15 December 1996 to: Dr Doug Owrarn, Vice-President (Academic), Third Floor University Hall, University of Alberta, Edmonton, Alberta T6G 2J9

### EXECUTIVE DIRECTOR OF INTERNATIONAL AFFAIRS

The University of Alberta is seeking applications for the position of Executive Director of International Affairs. This competition is also open on a secondment basis to all continuing academic staff members of the University of Alberta. It is anticipated that the initial appointment term will be for approximately five years.

The University of Alberta has given high priority to developing and expanding its international links. These links include increased collaboration, student recruitment, alumni relations and fund development. The University's international connections are diverse but a focus on East Asia and Latin America is part of the strategic plan.

The new position of Executive Director of International Affairs is a senior management position which will head three Divisions—Programs, International Contacts and International Students. Reporting to the Vice-President (Academic), the position will depend on close working relationships with Deans, Faculty, the Vice-President (Research and External Affairs) and the President. The individual in this post will have a broad strategic sense and will provide policy advice to senior levels of administration.

The successful applicant will have had considerable involvement in international affairs, contact at senior levels of international agencies, the ability to think strategically, show initiative and work within a complex collegial environment. Knowledge of Latin America and/or East Asia, including knowledge of one or more relevant languages, would be desirable. The Executive Director will serve as International Liaison Officer for the University.

Applications, including the names of three referees, should be submitted by 15 November 1996 to: Dr Doug Owrarn, Vice-President (Academic), Third Floor University Hall, University of Alberta, Edmonton, Alberta T6G 2J9

### ACTING ADMINISTRATIVE PROFESSIONAL OFFICER

#### DEPARTMENT OF DRAMA

The Department of Drama at the University of Alberta invites applications for a full-time tempo-

rary position as Acting Administrative Professional Officer (APO). The Department of Drama offers academic programs leading to BA, BA Honors, BFA and MFA degrees.

Reporting to the Department Chair, the APO is the Administrative and Financial Manager of the Department of Drama and the Timms Centre for the Arts rentals as well as the General Manager of Studio Theatre. Duties and responsibilities include: financial and administrative management of Department financial resources and department business operations; advising the Chair in the areas of finance, operations and fund development; all aspects of personnel management; and overseeing and directing the daily operation of the Department.

**Qualifications:** A university degree with at least five years of progressively responsible management experience; effective senior-level administrative and financial management skills (completion of the second or third level of an accredited accounting program and knowledge of Quicken, Windows 95 and Microsoft Office are desirable); excellent communication skills (oral and compositional) and the ability to represent the Department appropriately at various levels. The successful candidate will be able to quickly develop a high level of credibility among all appropriate constituencies at the University of Alberta and in the professional field. Experience in performing arts management with specific emphasis on front-of-house and box office management, facility rental management and a working knowledge of the principles of publicity and marketing would be a definite asset.

This temporary nonrenewable position will commence 1 January 1997 for a 12-month term. The salary range for this appointment is \$35,000 - \$40,000, commensurate with qualifications and experience.

Please submit letters of application and résumés to: David Barnet, Chair, Department of Drama, 3-146 Fine Arts Building, University of Alberta, Edmonton, Alberta T6G 2C9 Fax: (403) 492-9156. E-mail: [dbarnet@gpu.srv.ualberta.ca](mailto:dbarnet@gpu.srv.ualberta.ca)

Applicants should arrange for three confidential letters to be sent to the above address. Complete position description available upon request at (403) 492-2274.

**Application deadline:** Wednesday, 30 October 1996.

### SUPPORT STAFF

To obtain information on support staff positions, please contact the Human Resource Group, 2-40 Assiniboia Hall. You can also call the Job Information line at 492-7205 (24 hours) or consult the weekly *Employment Opportunities Bulletin*.

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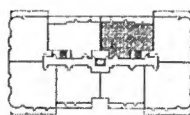
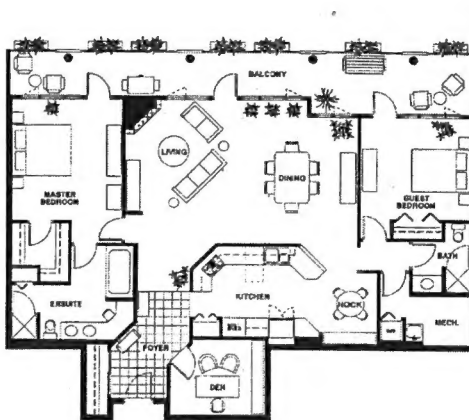
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OLIVER, spacious executive condominium with spectacular river view. One bedroom, dining/den, sunroom, heated parking, security. \$925. 454-2125.

THREE BEDROOM HOUSE AVAILABLE - excellent location, Windsor Park, Edinboro Road. 430-7104, evenings.

DUGGAN BUNGALOW - 3+1 bedrooms, fully furnished. New kitchen, double garage, 10-minute drive, close to bus. \$850/month, available 1 November. Nonsmoking, no pets. Western Relocation, 434-4629.

RIVERBEND CONDO (HEARTHSTONE) - musician's delight! Fully furnished three bedroom, two storey townhouse, steps from the river valley and Fort Edmonton. Spacious living room with fireplace, piano, exceptionally large master bedroom, two piece bath ensuite opens onto four piece bath, finished basement. Western Relocation, 434-4629.

RIVERBEND - Rhatigan Road East, furnished executive bungalow, three bedrooms, finished basement, double front drive garage, 15 September 1996 - 30 April 1997, \$1,200/month. Western Relocation, 434-4629.

BED AND BREAKFAST - The Garneau B&B offers calming comfort, two bedrooms, sitting room, full breakfast. (403) 433-3736.

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NEW TWO-BEDROOM lower suite, half block campus near HUB/Law/Fine Arts/Library. Adjacent parkland. Private washer/dryer. All new appliances, parking. Nonsmoking. \$600 utilities included. 433-3863, 492-9361.

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MATURE ROOMMATE, M/F, to share character three-bedroom near University with two others. Five appliances, parking, good bus connection. \$285 plus shared utilities. No smoking. 434-7035.

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Two-bedroom apartment, one space for male. \$387. 21, 11008 88 Avenue. 492-8928.

Three-bedroom house, one space for male. \$408. 11015 88 Avenue. 492-8928.

Four-bedroom apartment, one space for female. \$272. 13, 11016 88 Avenue. 492-8928.

Two-bedroom apartment, one space for male. \$406. 24, 11016 88 Avenue. 492-8928.

Two-bedroom apartment, one space for male. \$387. 21, 11024 88 Avenue. 492-8928.

Two-bedroom apartment, one space for female. \$379. 24, 11031 88 Avenue. 492-8928.

One-bedroom apartment, complete unit. \$262.50. 31, 11031 88 Avenue. 492-8928.

Two-bedroom apartment, complete unit. \$387. 34, 11031 88 Avenue. 492-8928.

Two-bedroom apartment, one space for female. \$387. 11, 11035 88 Avenue. 492-8928.

Two-bedroom apartment, one space for co-ed (M). \$272. 12, 11035 88 Avenue. 492-8928.

Four-bedroom house, one space for male. \$378. 11036 88 Avenue. 492-8928.

Two-bedroom apartment, complete unit.

\$387. 14, 11039 88 Avenue. 492-8928.

Two-bedroom apartment, one space for male.

\$387. 21, 11039 88 Avenue. 492-8928.

One-bedroom apartment, one space for male.

\$525. 44, 11039 88 Avenue. 492-8928.

Three-bedroom house, one space for male.

\$285. 11027 89 Avenue. 492-8928.

Three-bedroom house, one space for female.

\$291. 11049 89 Avenue. 492-8928.

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CLARIDGE HOUSE/U OF A - Discover spectacular view in two directions from this bright classy two bedroom condo, steps to University and all amenities. Swimming pool in complex. Janet Jenner Fraser/Gordon King, Prudential Spencer Real Estate, 483-7170.

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LAURIER HEIGHTS - Colonial two storey situated on treed lot, steps from the river valley. Easy access to U of A on new pedway bridge. Four bedrooms, family room with fireplace, formal living and dining rooms. Professionally finished basement features two bedrooms, rec room and three piece bath. Double attached garage, \$179,900. Call Carolyn Pratt, 455-4181.

BELGRAVIA, 1,253' BUNGALOW, prime location, huge west backyard. Hardwood floors, two garages, unique floor plan. \$159,800. Ed Lastiwka, Royal LePage, 431-5600, 446-3800.

WINDSOR PARK, NEW LISTING! "Charming" describes this 1,230 sq ft bungalow with hardwood flooring. Bathroom, bedroom and recreation area in finished basement, double garage. Close to U of A. Marjorie King, 483-7170/435-0395, The Prudential Spencer.



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BELGRAVIA, 1,650 sq ft, three-bedroom bungalow on a beautiful lot which is 87' across the back. Huge living and dining room, woodburning fireplace, walkout basement. Excellent North Belgravia location. Marjorie King, 483-7170/435-0395, ThePrudential Spencer.

2,200 SQUARE FOOT LUXURY CONDO in Belgravia. All the amenities of a house without care, worries. Too many features to list! \$249,888. Call Arthur Berman for private showing. Prudential Spencer, 483-7170.

FAIRMONT HOT SPRINGS - Five-star golf resort. Double timeshare unit. Golf, ski, hike, fish in prime time or exchange worldwide. Priced to sell. 437-7628.

SALE/RENT - GARNEAU MEWS; five minutes University, Hospital. Beautiful, newly decorated condo, two bedroom, 1 1/2 bathroom, kitchen, vaulted dining room, lounge with French windows open to secluded back patio, woodburning fireplace, heated underground parking, storage area. (403) 430-8300, (403) 372-2435 (evenings), (403) 372-3741 (days).

PETROLIA - GREENFIELD, by vendor. Four bedroom, two storey, study, lounge, kitchen, dining, one and 2 1/2 baths, fireplace, fully developed basement, large deck, huge treed lot. 3908 112 Street. Open house, Saturday, 1-4 pm; Sunday, all day. 488-0500, 9 am - 5 pm.

### ACCOMMODATIONS WANTED

HOUSESITTER: Mature, nonsmoking grad, pets welcome, housesitting references, Letter of Agreement. Mark, 455-4351.

HOUSESITTER AVAILABLE - professionally employed, single, nonsmoking, clean, quiet, pet-free female, willing to live in the lap of luxury for six months. Trustworthy, bondable, references available. Nelda, 426-0314.

GULF ISLANDS, BC HOUSE, swap for house in Edmonton for U of A winter session. 433-5059.

### GOODS FOR SALE

CASH PAID for quality books. The Edmonton Book Store, 433-1781.

PERFORMA 6200, \$2,285. Still boxed, on warranty, no GST. Laser Writer 360, \$896. Microsoft Office Standard CD \$170, 13 pre-installed programs, 7 CD-ROM titles. For more info, please call 439-0310.

### SERVICES

HOME CLEANING - Hardworking, bonded staff. Reasonable rates. Able Maids, 433-9697.

TECH VERBATIM - Desktop documents - editing, theses, CVs, medical terminology, on campus. Donna, 440-3714.

DAVID RICHARDS CARPENTRY - Certified journeyman NAIT. Complete interior/exterior residential, commercial renovations including plumbing/electrical. No job too big/small. References available. 436-6363.

GJO OFFICE SERVICES for all your desktop publishing, word processing, editorial coordination needs. Gail Ovelson, 461-4190, fax 461-8120, e-mail GJOFFICE@OANET.COM References available.

SNOWBIRDS - Hate the thought of the long drive? You fly, I will bring your car. Recent long-distance driving included California, Arizona, Georgia, Florida. Excellent driving record, 30 years University community. CAA, two passports, cell phone. Call 433-1533.

DESKTOP PUBLISHING - Word processing, editing, layout, equations, on campus. Nola, 435-2427.

ATLAS, first class, professional janitorial service. Commercial, 475-0687, fax 457-1358. Floor stripping, sealing and waxing. Wet look floor finish. Initial clean-up after construction, clean-up steam cleaning, Scotch Guarding, window cleaning, emergency, 24-hour service, environmentally friendly. Free estimates, Grace Cruz, President, Stanley Milewicz, Operations Manager.

RESIDENTIAL CONTRACTORS, additions, renovations, new homes. Innovation Plus Developments Limited, 434-0923.

CENTRE LINE STABLES - heated barn and arena. Box stalls available, your own trainer welcome. Individual feeding programs, lots of TLC, south of Sherwood Park. 467-8503.

### MISCELLANEOUS

WANTED: People with a history of duodenal ulcers for participation in a research study. Research Participant Description: 25-55 years old, history of duodenal ulcer(s) confirmed by gastroscopy, average height and weight, presently on no regular medication, no antibiotics taken for treatment of ulcer causing bacteria. If you are this person, or if you know of someone who is, please phone 492-6283 for more information. Compensation will be provided for participation. Division of Gastroenterology.

THE SECRET OF YOUTHFULNESS - Dhea precursors with active stabilized Aloe Vera molecule. Free tape, 988-3294.

## Organizational Development

*Let's Talk About ....*

**I Need To Say Something But I Don't Know How.....**

**(or, as they say "If you don't say it straight, it comes out crooked!")**

Have you noticed that sometimes what you say (or don't say) to others is misunderstood? Others hear the message differently than what you intended. People aren't born skilled communicators, so it's no surprise that sometimes the results of our exchanges are less than we'd hoped for! **Clear** communication can be learned and can impact every aspect of the workplace, decreasing costs and increasing productivity.

**Come discuss and explore.....**

- how different points of view affect communication
- why assumptions can get in the way of results
- why expectations for performance need to be understood
- how to give feedback
- how to prepare for receiving feedback
- how the Organizational Development Unit can support you

**Presenters: Roger Dugas/Shirley Leonard/Jane Toulouse**  
**Organizational Development,**  
**Office of the Vice- President (Finance & Admin)**

Time: 10:30 to Noon

Date: Nov. 6 or Nov. 19

Place: Map Room, Lister Hall

**FREE for any University of Alberta Staff**  
**To Register Call Ext. 4660**

Sponsored by **ORGANIZATIONAL DEVELOPMENT,** offering consultation/facilitation on issues that affect the way peoplework together, including **Performance Improvement & Team Technology.....We'll be inviting you to talk about other important issues..... Watch future editions of Folio!**

**"Focused on helping people work more effectively together"**

## Body fat, diet and metabolic rate...

### What's the connection???

Researchers at the University of Alberta are studying the relationship between **body fat, dietary intake and metabolic rate** in women with a history of dieting. If you would like more information and meet the following criteria:

- ♦Women (20-40 yrs. of age)♦History of dieting♦Non-smoker♦Stable body weight♦Sedentary♦No medical condition or prescribed medications which affect metabolism (eg. thyroid problem, birth control pills, insulin)♦

**Recruitment Meeting**

**Thursday October 10 @ 7:00 p.m.**

**E-120 Van Vliet Centre (Physical Education Complex)**

**Call Dr. Vicki Harber @ 492-1023 to confirm your attendance.**



# Murray Connors: an artist in demand

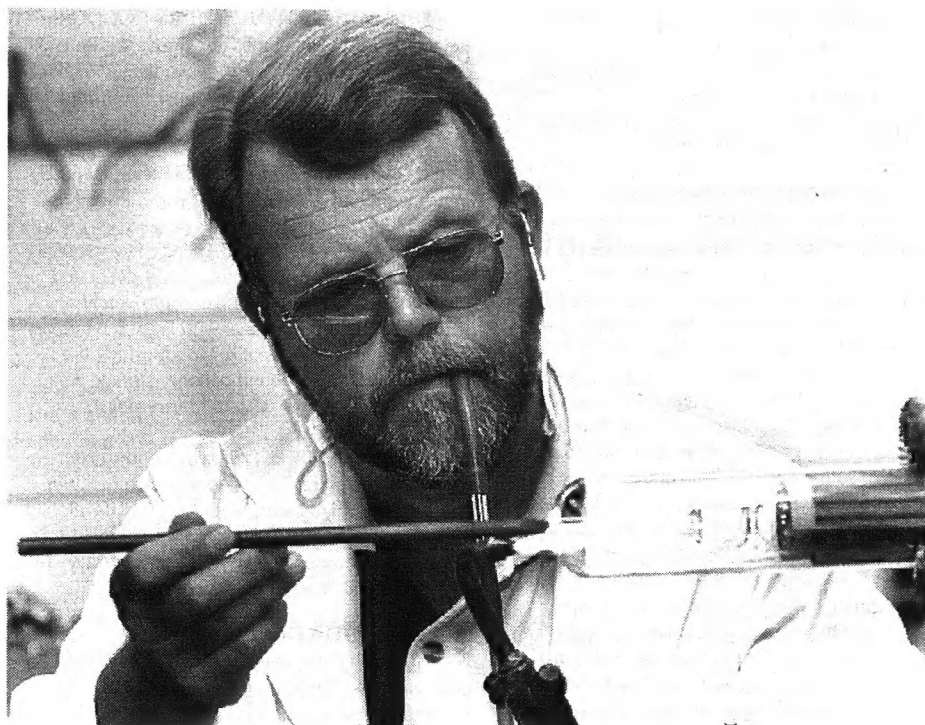
By Kim Sawada

What do *The Glass Menagerie*, Siamese fighting fish, a crystal ball and medical research have in common? Answer: They have each required the unique talents of Murray Connors and other glassblowing artisans at the University of Alberta.

When the Drama Department needed glass animals for a production of Tennessee Williams' classic, when the Psychology Department needed customized equipment for an experiment on the mores of Siamese fighting fish, and when a local TV station needed a crystal ball, they became Murray's clients. So too do doctors, technologists and students when they need special equipment for disease-fighting or genetic research.

Murray and his fellow glassblowers have also designed and manufactured special glass apparatus for the Edmonton Water Treatment Plant, the provincial government's Environmental Protection Branch, and Agriculture Canada. Even the RCMP has required the assistance of the glassblowers for apparatus to be used in their forensics laboratory. The list of satisfied clients is both surprising in diversity and extensive in scope.

While many of us look forward to a summer slowdown and vacations, Murray gears up in May. He knows that as student and class time diminishes, work on research projects increases. And since the equipment for these projects is highly specialized if (not unique), new or replace-



Murray Connors in action

ment pieces are simply not available commercially. They are designed, repaired and made to order. Murray knows that "if you break something that's critical to your research, you don't just pay a repair fee, you lose valuable time and compromise test results." For a foreign postdoctorate research assistant, two more weeks away from home can seem like an eternity.

Although the number of qualified glassblowers on campus has shrunk from 10 in the early 1970's to the current four (soon to be three owing to a retirement), the need for the services provided by Murray and his colleagues has remained constant. Nevertheless, for Murray, quality remains the non-negotiable bottom line. ■

# Horizontal Boring Mill fits the bill

By Karin Holmgren

It comes with a remote control, but it won't fit in your living room. The University of Alberta's new advanced computer controlled Horizontal Boring Mill probably won't even fit in your garage. At \$0.8 million, the machine stands four metres high, weighs a staggering 28 tonnes, and can be viewed at the Centre for Subatomic Research (CSR).

According to U of A machinist Gilbert Lachat, the mill was purchased to produce nearly 1,400 copper absorber plates for the ATLAS experiment at CERN, the European Centre for Particle Physics in Switzerland. The U of A is collaborating with CERN to develop ATLAS, soon to be the world's largest particle beam detector. Universities in Canada, Europe, China, Israel, Japan, Russia, and the USA are also producing parts for the \$0.5 billion experiment.

"This detector will be part of the \$5 billion Large Hadron Collider project. When this machine turns on in 2005 it will reach the highest energies ever achieved on Earth," says James Pinfold, Director of CSR and leader of the local ATLAS group.

Buying the mill made sense for the U of A, Dr Pinfold remarked. "It seemed like a natural move to make. We get a state-of-the-art machine that can also be used for other projects at a fraction of the book price. The machine can be used for other

**"This detector will be part of the \$5 billion Large Hadron Collider project. When this machine turns on in 2005 it will reach the highest energies ever achieved on Earth."**

James Pinfold, Director of CSR

University projects as well as collaborative ventures with industry, and the ATLAS collaboration gets machining for one-third of the commercial cost." He adds that the machine was paid for through provincial funding and a grant from TRIUMF, Canada's laboratory for subatomic physics in Vancouver.

Although the mill is ready for action, Lachat and his colleagues are learning everything about it before any real work begins. The mill is so precise (within 5,000th of a millimetre) that even a small error could end up costing thousands of dollars. Lachat points out that his department is "used to working on much smaller machines—the kind that fit on a table."

Once the mill is in use, Lachat expects it will save staff countless hours. "Before, we had to do everything by hand on two different machines. It took us six months just to do 25 plates." The mill, which is fully automated, eliminates the need to even stop for a drill change. The machine selects the next drill needed for tooling, inserts it into the correct slot, and removes it once the step is complete. Lachat estimates that the mill could be in use up to 14 hours a day. Even so, the copper plates will likely take up to three years to finish. ■

# Study of women's mid-life health issues off to auspicious start

By David Holehouse

Lynn Meadows' decision to research women's mid-life health issues has hit a responsive chord with many Albertans.

The Adjunct Assistant Professor in Family Medicine at the University of Alberta received 80 calls from volunteer research subjects within 24 hours of the first media coverage of her project.

She's looking for about 100 volunteers for the first phase of the study, which received funding approval for \$90,000 from the Alberta Heritage Foundation for Medical Research this summer. Her subjects, aged between 40 and 65, will provide their own views about their health and their social and cultural environment.

"I chose this age group because it's a group that's been under-researched," Dr Meadows said. "Much of what has been done is disease or syndrome specific, and doesn't focus on the social and cultural

context of the day. The focus tends to be medical, and I'm saying health also involves social and cultural factors such as the work you do, your cultural beliefs, issues from your past, what you do to stay healthy and so on."

Dr Meadows will choose her initial volunteers to reflect the broadest possible range of health condition, ethnic diversity and attitudes towards medicine and healing. The next phase of the three-year project will be to test their opinions against a ran-



Lynn Meadows

dom sampling of about 500 women.

The end result, Dr Meadows hopes, will be some basic information that's current, relevant and from women's perspective—"so when there's a question about what health programs do women need, we can respond with some information about what women really want."

"In the past, we have used a medical model to make these decisions. Now, we

want to use more of a biomedical-social model that considers a broader range of the factors that affect our health."

Dr Meadows also holds an appointment as Assistant Professor in Family Medicine and Community Health Sciences at The University of Calgary. ■

# Forestry camp wins rave reviews

By Karin Holmgren

Camp isn't just for kids. At least not at Forestry 101 (Forestry Fall Camp).

Nearly 50 first-year Forestry students attended the action-packed event in August. Now in its second year, the six-day field trip helps prepare students for their program before classes start. Students can also meet new classmates, instructors, and potential employers in a relaxed atmosphere. This year, industry participants included Weldwood of Canada Ltd, Alberta Pacific Forest Industries Ltd, and Canadian Forest Service.

"The camp is very intense, but a lot of fun," says Bob Longworth, APO and Forestry 101 co-director. Activities range from climbing fire towers to touring tree nurs-

eries to visiting forest management areas. On their last evening, students participate in a water pump exercise which, Longworth says laughingly, "often turns into a waterfight."

The camp has been popular with students and staff. "We've had really favourable and enthusiastic course evaluations," Longworth notes. He adds that two students enjoyed themselves so much at last year's camps that they offered to help out this year. Staff have been equally positive.

"It's really satisfying to see students learning so much," enthuses Longworth. "On their first day at camp, all students know is 'I want to work with trees.' By the end of the week, they're having vigorous debates about all kinds of things." ■

# Specialist in workplace harassment to speak on campus

By Folio staff

Naomi Levine, a Manitoba lawyer and harassment consultant, will be on campus next Tuesday to deliver a presentation on academic freedom. Her lecture, "The right to speak vs the responsibility not to offend," will explore the challenge of reconciling academic freedom with potential harassment complaints.

Besides her work as the harassment officer for the University of Winnipeg, Red River Community College, and Assiniboine Community College in Manitoba, Levine is president of Judarb Tribunal Inc, a firm specializing in policy development and dispute resolution. Her lecture will take place in 2022 Dentistry-Pharmacy Building from 2-4:30 pm. ■